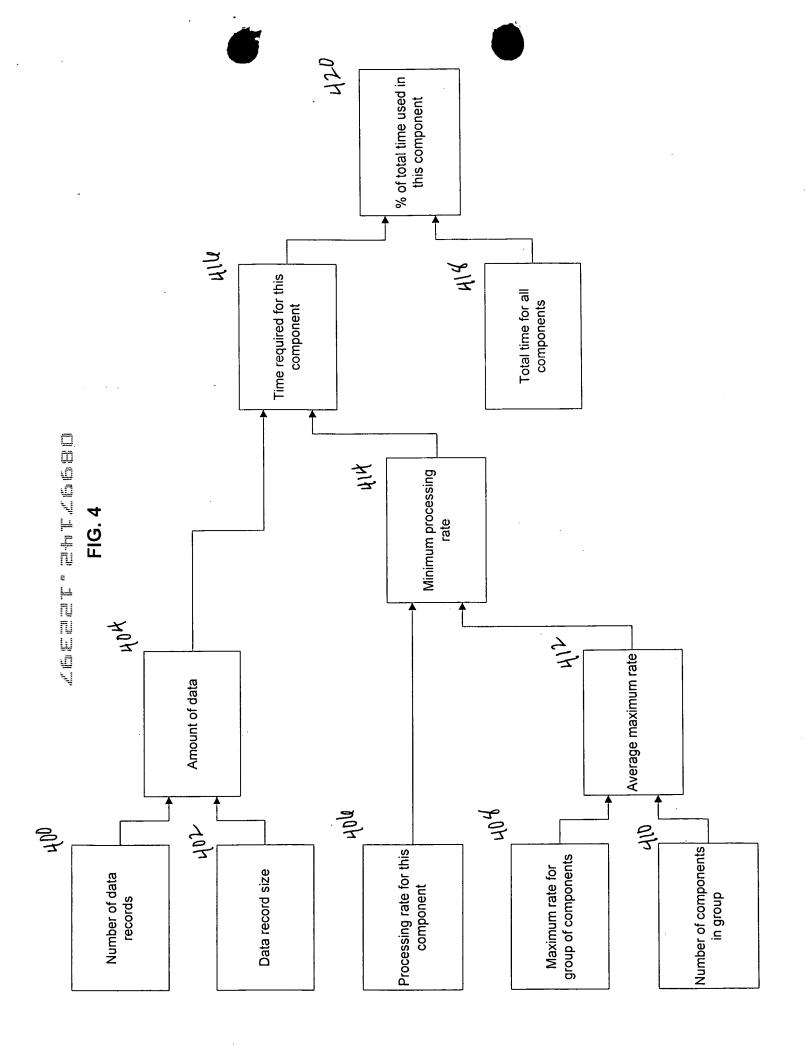


## FIG. 3

TI, SpreadsheetPath=c:\My Documents\marshall\capdemo\scoring.xls TI, Time=hour TI,SheetTitle=Scoring

CH CT,Disk I/O, 3.0 CT,Hash, 10 CT,Send,2 CT,Sort,0.5 CT,Merge and transform,2 CT, Aggregate, 2 CT, Score,2 GT, Sort detail data, 68,94, Sort=1, Disk I/O=1, CPUTIME=12500 GT, Sort customer data, .3,82,Sort=1,Disk I/O=1,CPUTIME=300 GT, Merge and transform, 68, 169, Merge and transform=1, CPUTIME=5700 GT, Aggregate, 68, 169, Aggreagete=1, CPUTIME=6300 GT, Score, .3, 94, Disk I/O=1, Score=1, CPUTIME=20 FH



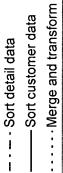
## Daggylue leesy

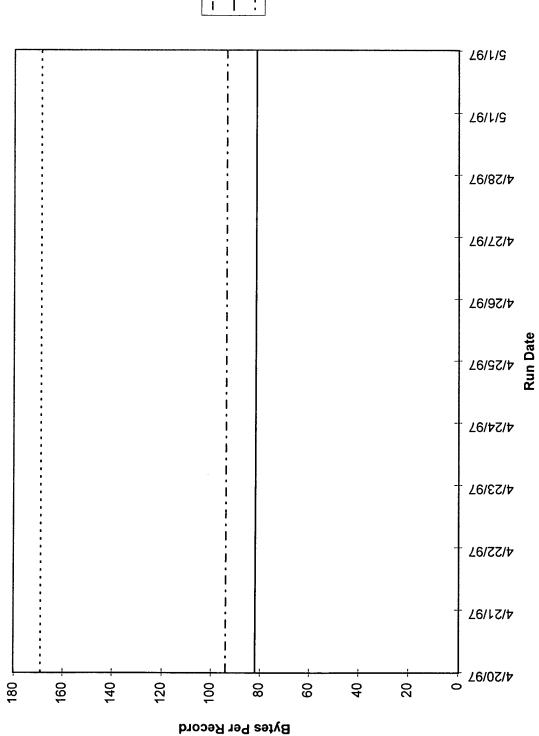
Scoring

200	502 504	504	506	508	210	215	514	516	218	520
Performance Model Comp Rate	Comp Rate	# #	# Records	Record Size	<b>Total Size</b>	Disk I/O	Net I/O	<b>Total Data</b>	<b>Total Time</b>	Percent of
	(MB/sec) Parts	Parts	(Millions)	(bytes)	(GB)	(GB)	(GB)	(GB)	(hours)	<b>Total Time</b>
Sort detail data	0.5	2000年	0.89	94.0	6.4	6.4		6.4	3.6	14.9%
Sort customer data	0.5	7	0.3	82.0	0.0	0.0		0.0	0.0	0.1%
Merge and transform	0.3	7	68.0	169.0	11.5			11.5	10.6	44.7%
***	0.4	<u>5</u>	68.0	169.0	11.5			11.5	9.1	38.3%
-11	0.8	<del>,</del>	0.3	94.0	0.0	0.0		0.0	0.0	0.0%
	4.0					6.4			0.4	1.9%
Network I/O	5.0						0.0		0.0	%0:0
Total CPU hours	23.8			·						

1	ELAPSED TIME	TIME								
274	526	528	930	532	534	536	538	540	542	<b>チ</b> オケ
Performance Model Comp Rate	Comp Rate	# #	# Records	Record Size	<b>Total Size</b>	Disk I/O	Net I/O	Net I/O Total Data	<b>Total Time</b>	Percent of
	(MB/sec) Parts (I	Parts	(Millions)	(bytes)	(GB)	(GB)	(GB)	(GB)	(hours)	<b>Total Time</b>
Sort detail data	0.5	2	68.0	94.0	6.4	3.2		3.2	1.8	10.8%
Sort customer data	0.5	7	0.3	82.0	0.0	0.0		0.0	0.0	0.0%
Merge and transform	0.3	7	68.0	169.0	11.5			5.7	5.3	32.3%
Aggregate	0.4	_	68.0	169.0	11.5			11.5	9.1	55.4%
Score	0.8	~	0.3	94.0	0.0	0.0		0.0	0.0	0.1%
Disk I/O	4.0					3.2			0.2	1.4%
Network I/O	5.0						0.0		0.0	0.0%
$5 \# \omega$ Estimated elapsed hours	16.5									
548 Wall clock time (hours)	16.9									
650 % CPU busy	97.4%									

F19. 5







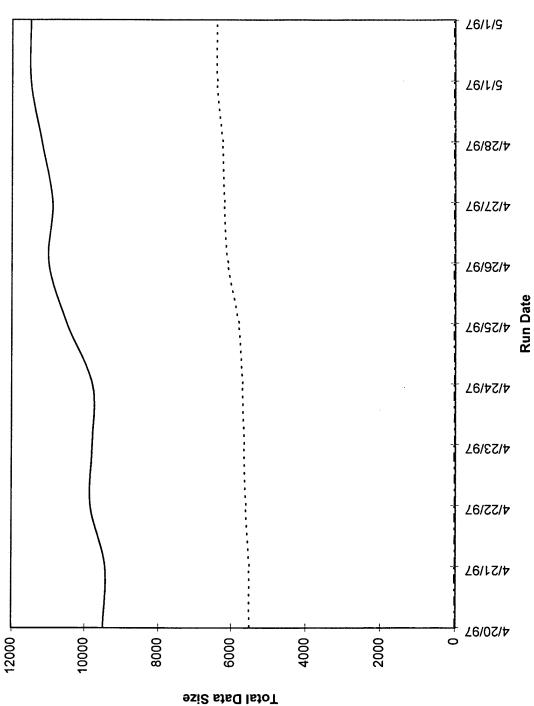


FIG. 7